

## Conception®-tXf-L-v2 12. Gen.

Compact, actively cooled system for extreme temperatures. For use in edge intelligence environment.

### Features

- ↗ High-Performance with Intel® Core™ i CPUs 12<sup>th</sup> Generation
- ↗ High flexibility through numerous interfaces
- ↗ Robust full-industrial components for 24/7 operation
- ↗ For extreme temperatures
- ↗ Expandable through two PCIe x8 (Gen 5) slots (mech. x16)
- ↗ Two additional 2.5" shuttles



### Configuration example

Further configurations on request!\*

#### Mainboard:

Industrial Mainboard (mini-ITX), 24/7 operation, long-term availability

#### Processor:

Intel® Core™ i 12<sup>th</sup> Generation up to 65 Watt TDP, Socket 1700  
Chipset: Intel® Q670E

#### Memory:

2x DDR5 SO-DIMM, max. 4800 MHz max. 64 GB

#### Graphic:

Onboard Intel® UHD 730/770 (depending on CPU)

#### Drive Bays:

**Internal**  
1x M.2 (M-key, type:2242/2260/2280)  
1x USB 3.2 (Gen 1) stick connector for e.g. InoBaR  
**External accessible**  
2x 2.5" SATA-III SSD in shuttle

#### I/O:

**Back**  
1x 1Gbit LAN (RJ45)  
1x 2.5Gbit LAN (RJ45), vPro support  
2x 2.5Gbit LAN (M12) (on request)  
1x HDMI  
3x Display Port 1.4 (up to 8k)  
1x RS-232/422/485  
1x RS-232/422/485 (optional)  
1x USB-C 3.2 (Gen 2)  
3x USB 3.2 (2x Gen 2, 1x Gen 1)  
6x USB 2.0  
2x PS/2 (Mouse and keyboard)  
2x Audio (Line-In, Line-Out)  
**Internal**  
1x LVDS / eDP  
1x GPIO Header (8 Bit)

#### Operating System:

Microsoft® Windows® 10/11  
Linux®

#### Power Supply:

9 ~ 30 VDC, 250/300 Watt, M4-ATX for NL4 connector (Neutrik) four-pin with ignition pin  
Effizienz >94% @ 50% load

#### Expansions:

2x PCIe x8 (Gen 5) (mech. x16)  
1x M.2 (E-key, Typ:2230) for WIFI/BT

#### Mechanical:

**Chassis**  
Robust 1 mm galvanized sheet steel with powder coating  
**Dimensions (W x H x D)**  
215 x 131 x 303 mm  
**Cooling**  
Active, 2x 80 mm fans  
Optional: filter cartridge incl. mat  
**Mounting**  
Wallmount, Desktop, 19" compatible (on request, two systems side by side)

#### Environment:

**Operating Temperature**  
-10° ~ 60° C\*  
**Shock**  
5 g / 2 ms  
**Vibration**  
0.6 g (10 - 200 Hz)  
**Storage Temperature**  
-20° ~ 70° C  
**Relative Humidity (operation)**  
10 ~ 90 % (non condensing)  
**IP Protection**  
IP20

#### Certifications:

CE (93/68/EWG)  
EMV (2014/30/EU)  
Low voltage safety (2014/35/EU)

#### Features:

Watchdog Timer, iAMT  
SPI TPM Header, onBoard PTT/dTPM

\* extended temperatures possible on request

## Conception®-tXf-L-v2 12. Gen. Additional illustrations

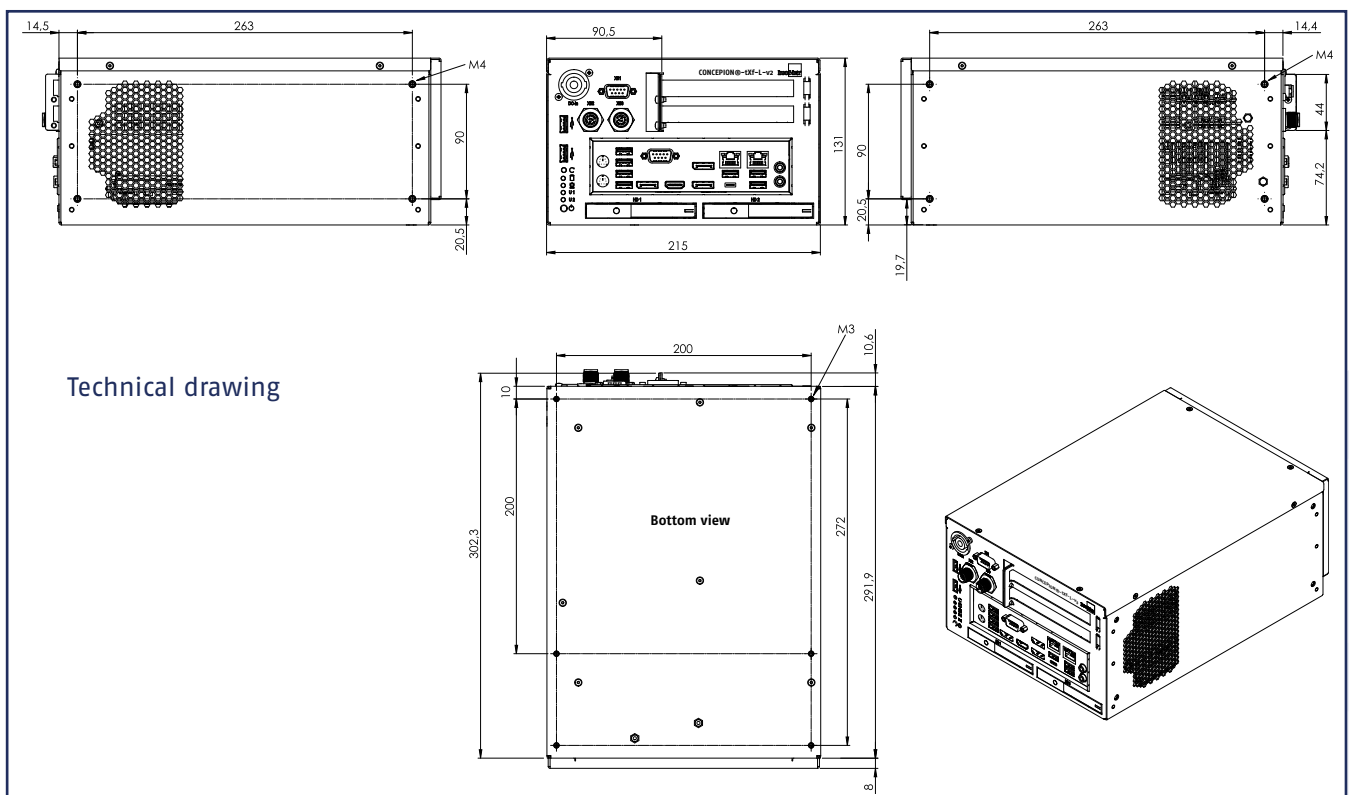


Optional: Filter cartridge with filter mat



Backside

Copy Station version  
(on request)



### InoNet Competences and Services



Consulting



Development



Testing



Customization



Manufacturing



Certifications

InoNet Computer GmbH  
Wettersteinstraße 18  
82024 Taufkirchen, Germany  
[www.inonet.com](http://www.inonet.com)